

BROOKHAVEN

BULLETIN



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November 1, 1974

Alcohol in Space?

Molecules of ethyl alcohol have been discovered in gas clouds near the center of the Milky Way Galaxie. Here on earth, this type of alcohol is often consumed in cocktails.

The discovery was made using a radio telescope, located at Kitt Peak near Tucson, Arizona, operated by the National Radio Astronomy Observatory (NRAO). Radio emissions with wavelengths characteristic of ethyl alcohol were picked up during two different observing sessions in early October. This brings to 31 the number of known interstellar molecules. Of these, the ethyl alcohol molecule, which has nine atoms, is one of the largest and most complex.

The observation of this molecule leads astronomers to believe that even more complex molecules, such as amino acids (the building blocks of life), may also exist in space.

Ethyl alcohol forms a thin vapor spread throughout interstellar clouds. These gaseous clouds, composed primarily of simple molecules such as hydrogen, cover vast areas. They possibly contain as much mass as one million suns and measure up to 50 light years in diameter. A light year is the distance light travels in one year at 186,000 miles per second. The alcohol is produced within these clouds by chemical reactions which are different from the well-known process of sugar fermentation by yeast organisms.

Another new substance, heavy water, was also discovered at the same time as ethyl alcohol. The research, supported in part by the National Science Foundation, was conducted by observers from the University of Maryland, NRAO, the National Bureau of Standards in Washington, and the Scientific and Industrial Research Organization in Australia in collaboration with the University of Chicago and the Center for Astrophysics in Massachusetts.

Medical Proton Day Friday, November 8

Proton radiation therapy will be the subject of three seminars to be held at BNL on Friday afternoon, November 8.

At 1:30 p.m. an Accelerator Department Seminar on Medical Protons-Accelerator Designs and Radiographics Applications will be led by R. Martin, Argonne National Laboratory.

At 3 p.m. a two-part seminar will be held in the Medical Department. Michael Goitien, Harvard Medical School will discuss Proton Radiation Therapy, and Andreas Koehler, Harvard Cyclotron Laboratory, will discuss Medical Application of Medium Energy Protons.

BERA Concert Series

The next concert, to be presented Tuesday, November 12, at 8:30 p.m. in Berkner Hall, will feature the London Virtuosi, a group composed of outstanding instrumentalists. Three of them are principal members of the London Symphony Orchestra (John Georgiadis, the violinist, is the concert master).

The combination of violin, viola, cello, flute, oboe and harpsichord creates endless possibilities of chamber music, ranging from Baroque and Rococo of the 18th century through the classical period. In addition, the group plans to commission new works by contemporary composers. They are currently recording Sir William Walton's Piano Quintet with Andre Previn as assisting artist.

The London Virtuosi debuted in London in 1972 and shortly thereafter signed a contract to record 30 records in five years. They have appeared regularly over radio and TV in Great Britain, and will follow their present first American concert tour with appearances in Japan, Singapore, and several other countries.

The program at BNL will feature baroque music and works by Mozart and Beethoven. Regular admission to the concert will be \$3.50; \$1.75 for those over 65 and students with I.D.; and \$1.00 for those under 18.



Walter Sevian, DAS, conducts an evening class in "Methods of Applied Mathematics."

Notice to US Mail Users

Effective November 17, 1974, all First Class Mail and Air Mail must be prepaid. If not, it will be returned for postage. If there is no return address on the envelope, it will be sent to the Dead Letter Office, which will probably take a week or two to process, so watch when paying utility and other bills.

TV Programs Lead To Science Appreciation

A series of television programs, aimed at enhancing the public understanding of science, will be shown over Public Broadcasting System (PBS) stations starting November 3.

The programs, collectively called NOVA (new in Latin), are being distributed by the Science Program Group of WGBH, a PBS station in Boston. Some of the programs have been produced by WGBH while others are being shown through an agreement with the British Broadcasting Corporation (BBC).

When the series premiered last spring it was received with such enthusiasm that WGBH decided to produce a new series which would include some of the original programs. The station received numerous letters requesting further information about the subject matter covered in these programs.

To help answer any questions arising from the current series, the American Association for the Advancement of Science (AAAS) is compiling a list of individuals specialized in fields pertaining to the programs

Brookhaven National Laboratory has agreed to respond to letters concerning "The Hunting of the Quark," which will be broadcast on November 17. Also, BNL's Office of Scientific Personnel is arranging to have copies of the bibliographies used in producing the various programs available for employees and the local community.

The first program on the NOVA 1974-75 schedule will be "Why Do Birds Sing?". The film, to be aired November 3, takes the viewer through the woods and marshes and finally into the laboratory. It explores how and why birds sing, the role of song in territoriality, the language of birdsong and the acoustic properties of call. The program also examines how birds acquire their song, a process of learning that bears some surprising similarities to the acquisition of speech in humans.

The Brookhaven Bulletin will provide a short summary of each NOVA program a week before it is broadcast.

Official & Special Events

Thursday, November 7

Hofstra University chemistry student tour Suffolk County Press Club,

Brookhaven Center

Friday, November 8

Jersey City State College radiation biology student tour

Registration At Lab For Math Courses

Mrs. Esther Weitzman will be present on Monday, November 4, 1974 in the Seminar Room of Building 515 (Applied Mathematics) to register students for the 1975 Spring Term and to provide information concerning the program. New students as well as students already enrolled in the program are urged to attend.

Courses to be offered at BNL in the 1975 Spring Term will be:

MSA-537, Methods of Operations Research I – Elementary maxima and minima problems and the Lagrange multiplier. Linear programming including the simplex technique. The transportation problem. Queuing problems under different assumptions on input, service mechanism, and queue discipline. Dynamic programming. Basic ideas of inventory theory. (4 credits)

MSA-551, Introduction to Applied Probability and Statistics I – Elements of Combinatorial analysis. Random variables and expectations. Laws of large numbers. The central limit theorem and its applications. Recurrent events and Markov chains. Applications to information theory, methods of coding, queuing problems, theory of games, problems of strategy, decision-making, etc. (4 credits)

These courses are available to BNL employees, guests, and collaborators, and to a limited number of persons not affiliated with the Laboratory.

If you have any questions concerning the graduate program please phone Mrs. Weitzman at 516-246-5969, or Glen Price at BNL Ext. 3336.

Bank Holiday

The Bankers Trust of Suffolk on site will be closed on Tuesday, November 5, Election Day and on Monday, November 11, Veterans Day.

High School Equivalency Program

There is a possibility that classes leading to a high school equivalency diploma may be offered to Laboratory employees at a nearby school. The program will be offered only if a sufficient number of employees are interested.

It is anticipated that classes would be held two nights a week immediately following the regular Laboratory work days. There will be no charge for these classes.

Interested employees are asked to notify Blanche Laskee, Personnel, Building 185.

I am interested in participating in a high school equivalency program.
Name
BNL Address
Extension
(PLEASE PRINT)

Energy Team Named By President Ford

At a news conference in the White House on Tuesday, October 29, President Ford announced the formation of a new "Energy Team" to implement recent legislation that created ERDA and the NRC.

"Dr. Robert Seamans, former Secretary of the Air Force, and formerly a very high official in NASA," said the President, "will be the new administrator of the ERDA, the Energy Research and Development Agency."

Named to head the Nuclear Regulatory Commission was former AEC Commissioner William Anders, who will be Chairman of a five-member board.

Former AEC Chairman Dixy Lee Ray, was named to be Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs.

All three appointments will require Senate confirmation, as will the appointment of an ERDA Deputy and six Assistant Administrators. Also requiring Senate action will be the appointment of four additional Commissioners to NRC.

On October 8, the President started the formation of the "Energy Team" with the appointment of Interior Secretary Rogers Morton as head of the Energy Resources Council. Tuesday, John Sawhill, Federal Energy Administrator resigned, and was replaced by Andrew Gibson, former Assistant Secretary of Commerce for Maritime Affairs and for Domestic and International Business.

Seamans, 56-year old President of the National Academy of Engineering, and Vice Chairman of the National Research Council, received his BS at Harvard in 1939 and his MS at M.I.T. in 1942. In 1951 he received his Sc.D. (Instrumentation) also from M.I.T. He served as Professor of Aeronautical Engineering at M.I.T. until 1955 when he went to RCA where he became Chief Engineer, missile electronics and controls. In 1960 he went to NASA where he became Deputy Administrator. In 1969 he was appointed Secretary of the Air Force and subsequently was a member of numerous national and international committees. He is a member of several scientific organizations, and the recipient of a number of awards and honors.

Painting Exchange

Red, yellow, orange, rose, rust, green, gold - these are the colors of fall and the colors of many, many artists in the area. A few weeks ago the first article of the fall appeared concerning the paintings to be loaned again this year to the BNL Hospital. It is hoped that all artists dedicated to this program will heed the pleas again this year. It is truly such a rewarding program.

All artists contributing to the BNL Hospital Exchange of Paintings should bring their paintings to either the Occupational Therapy Room on November 5 and 6, or to the home of Marilyn Shellabarger, 196 South Country Rd., Bellport, on November 8 and 9 (10:00 a.m. to 5:00 p.m.). If there are any last minute questions, please call Mrs. Brooks, 345-3684, or any member of the Committee: Eleanor C. Dahl, 286-1592; Emily Czaja, 286-8448; or Marilyn Shellabarger, 286-8060.

The time for the exchange is drawing near and the patients are looking forward to seeing the new works that will hang on their walls for the coming year.

Mountain Club

The BNL Mountain Club will have a meeting Wednesday, November 6th at 8:00 p.m., upstairs in the Recreation Building. Members and all those interested are urged to attend.

Current activities have included backpacking, canoeing and rock climbing. Future activities will depend on what the BNL staff and families wish to participate in. Plans will be discussed and slides shown at the meeting.

The Spotlight Was On Fashions



The models in the foreground are Sarah Price, Selena Claude, Christine Saitta, and Gisella Murphy. Rear left to right are Carolyn Smith, Joseph Polk, Judith Billingslea, Beverly Bruton, Sharon Rosenhagen, Paul Akins, Rochelle Nash and Janet Collinson.



Janet Collinson, Physical Review



Paul Akins, Plant Engineering



Christine Saitta, Physical Review



Sarah Price, Semester Student



Joseph Polk, Semester Student



Beverly Bruton, Semester Student

Letters To The Editor

Dear Sir:

The Hospitality Committee wishes to extend most sincere appreciations to all those who brought in their treasures for display, baked all the delicious breads, demonstrated crafts, or helped in any other way to make the Colonial Tea Party a success.

Ruth Dimmler

Brookhaven Marathon - 10 Miles

					
Place	Name	Time			
16 - 39					
1	Andrew J. McNerney	62:43.5			
2	Paul Kupferman	63.58.2			
3	John C. Norvell	67:53.2			
4	William Piel	69.55.8			
5	Bob Tucker	70:17.8			
6	William Thomlinson	73:15.0			
7	Bob Bari	75:43.2			
	40 and Over				
1	Mark Horovitz	68:29.4			
2	D.R. MacKenzie	69:03.8			
3	V. Racaniello	69:30.8			
4	Arthur Harris	72:48.6			
5	Arthur Duffy	76:24.6			
6	Arthur Scott	77:55.0			
7	Stuart Glass	78:37.0			
Guests					
1	Martin Brekeller	58:46.6			
2	Arthur Duffy	76:24.6			
3	Richard Britton	77:55.0			

3	Richard Britton	77:55.0
Broo	khaven Marathon -	5 Miles
Place	Name	Time
	Under 16	
1	Mike Oldham	32:58.4
2	Andrew P. McNerney	33:23.6
	16 - 39	
1	Boyd Osgood	35:27.5
2	D. Nordstrom	35:41.6
2 3 4 5	George Oldham	36:27.2
4	Hugh S. Isaacs	37:06.8
5	Peter Adams	42:08.0
	40 and Over	
1	Jack Phillips	35:05.2
	Gerald Farber	37.23.2
$\frac{2}{3}$	Gene Rogers	37:46.4
4	J. Detweiler	39:40.0
	Women	1 - 1 - 1 -
1	Kay Norvell	40:30.6
	Guests	
1	William Heinrockel	33:17.4

RNI Riko Paro - 17 5 Mile

BNL Bike Race - 17.5 Miles					
Place	Name	Time			
	Over 40				
1	John Aggus	58:10			
	Senior				
1	Jean Bussiere	50:07			
2	David Miller	50:35			
3	Rick Wetzler	51:27			
4	Dennis Greenberg	53:03			
4 5 6	James Vary	53:40			
	John Elmore	54:39			
7	Dan Clipperton	57:35			
8	Tom Clifford	58:44			
9	Marvin Rorick	64:11			
10	John Maddock	68:15			
	Junior				
1	Phil Watson	56:06			
2	Mark Jablonski	59:20			
3	Chip Thien	59:26			
4	Damian Emery	60:28			
5	Martin Aggus	64:07			
5 6	Bob Grego	64:58			
7	Laurence Emery	72:49			
	Girls				
1	Lucy Kinne	62:30			
	Christine Saitta	64:00			
2 3	Lis Carneiro	98:59			





The Five-Mile race start showed several under-sixteeners who managed to finish first and third in the overall standings. Kay Norvell was the only girl entry to finish. Mike Oldham, first place overall winner, was entered in the under sixteen class.



Lis Carneiro finished last



On the command "Take your marl get set to start the 10-mile perimet competed in three categories. The minutes ahead of the second-place r

The Mood Is Colonial But The Year Is 1974.



Ed Hunter, Plant Engineering, was on hand to display his collection of carved birds which are all hand made by him. With him are Joy Dean (left) and Charlotte Price.



Some of the Hospitality Committee Chairladies admire a collection of apple dolls made by Nancy Keer. From left to right are Monica Zanzi, Charlotte Price, Rosemary Jewett and Ruth Dimmler, Chairlady of the Hospitality Committee.



What would a tea party be without the snacks. Carol Leahy, Jeanette Potter, Charlotte Price and Donnie Grand (L-R) marvel at some of the delicacies contributed. The breads they are holding were made by Assistand Director R. C. Anderson.



Carol McKenzie-Wilson dips a few candles in the old Colonial way.



Eleanor Dahl demonstrates weaving.

Arrivals & Departures

Arrivals

John C. Lee Applied Science
Applied Science

Departures

Charles R. IdenChemistryRoss E. MeyerMech. Engrg.Shu-ei ShenAccelerator

In Memoriam

Willie Mosley of the Plant Engineering Division who had been employed at the laboratory since August 16, 1965, died on October 23, 1974.

Volleyball Season Begins

Practice sessions were commenced this week for the 1974-75 BNL Mixed and Men's Volleyball Leagues. The first league games will begin the week of November 4. Mixed League will play on Mondays and Men's League on Wednesdays at 5:15 p.m.

There is a need for players in the Men's division. Interested persons contact one of the following officers who were elected at a Captain's meeting held on October 10.

Pat Oster, President Ext. 4763 Gene Wells, Vice-President 2540 Barbara Sapienza, Secretary 2903 Jerry Levine, Treasurer 4212



Elke Brengard explains how a quilt is made. At the left is Jane Love one of the area chairladies of the Hospitality Committee.



Dwight Trujillo, of the Village Silversmith in Bellport, demonstrates the art of silversmithing.



from starter Bob Powell, runners ace. Sixteen runners started and mer, Martin Brekeller, finished 4



Martin Brekeller - 58:46.6



The wheelmen (and ladies) entered in the 17.5-mile bike race started at 30-second intervals. The one entry in the "over 40" class was a sure winner. A total of 22 riders finished the race in spite of strong head winds on the Route 25 and Wm. Floyd Parkway stretches.



Andrew McNerney - 62:43.5

Bowling News

Grace Fales

Red League

Lucky Strikes continue to lead in the league followed by the Charlie Browns. T. Proch received a Club Award for his 681 gross series. Congratulations. Other hi scores were T. Jesaitis 245, J. Scesny 212, F. Short 208, B. Buzeo 214 and R. Adams 212, 201.

Green League

200's for the night: L. Jacobson 206, A. Pinelli 202, E. Sperry 203/203, B. Belligan 234, G. Walker 201, G. Meinken 208, J. Sheehan 213, H. Marshall 205, E. Meier 203/207 and R. Meier 205.

Black and Blue League

Congratulations to Jesse Becker on his 678 Club Award with a 707 gross series. High games: Charlie Tomesch 216, Lew Jacobson 208, Jesse Becker 201, Kit D'Ambrosio 180, Debbie Antonio 177, Mary Austin 175, Terry Bugala 164, Ellie Murgatroyd 164, Nancy Mayeski 161, Rosalie Piccione 161. The high gross pots were won by Lew Jacobson 228 and Mary Austin

Bird Bashers Alert

The third annual Badminton Tournament will begin on or about November 11, 1974. All players wishing to participate in either single or double matches should inform John Binnington, Ext. 3489 by Friday, November 8. The tournament will be run under the same conditions as last year.

Pool Reopens Monday

The Laboratory swimming pool will reopen Monday, November 4, at 11:30 a.m., and the following schedule will be in effect until further notice.

Monday through Friday:

11:30 a.m. - 1:30 p.m. - Employees only 5 p.m. - 9:30 p.m. Employees/Families/ Guests

Saturday and Sunday

 $- \ Employees/Families/$ 1 p.m. – 6 p.m. Guests

Entrance fees will be set as follows:

Employee/Family member: 50¢ 75¢ Season Pass (Fall 1974) Employee **\$**5 Family \$10

Season passes will be on sale at the swimming pool.

Cafeteria Menu Week Ending November 8, 1974

Monday, November 4	
Corn Chowder	
Beef Liver & 1 Veg.	1.05
Scrambled Eggs, Sausage, French Fries	.95
Tuesday, November 5	
Beef Noodle Soup	
Salisbury Steak & 1 Veg.	1.00
Sauerbraten, Potato Pancake	1.00
Wednesday, November 6	
Cream of Potato Soup	
Spaghetti w/Meat Sauce, Garlic Bread,	
All You Can Eat	1.00
Broiled Cod & 1 Veg.	1.05
Thursday, November 7	-
Chicken Vegetable	
Lamb Stew on Rice	1.20
Roast Turkey w/Stuffing & 1 Veg.	1.20
Friday, November 8	
Clam & Celery	
London Broil & 1 Veg.	1.20
Shrimp Chow Mein on Rice	1.15
1	

Classified Advertisements

Placement Notices

Each week the Personnel Office lists personnel place ment requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Labo ratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

38. SECRETARY - Reactor Division.

39. PATROLMAN-TRAINEE - HP&S.

Autos & Auto Supplies

70 PONTIAC - 4 dr hdtp Executive, w/w, ps/pb. Ext. 2882 or 584-5216 after 6.

65 PONTIAC TEMPEST - Conv, gas saver, excel cond. 981-5993 after 6, \$700.

UTILITY TRAILER - Home made, registered (cheap), \$25. 585-8395

TOW BAR FOR 67-69 FIREBIRD OR CAMARO - Complete w/coupler ball ready to install, \$20. Fred, 289-

68 AMC REBEL - 6 cyl, a/t, p/s, r/h, engine & running gear excel, needs 1 fender, call, look, offer. Ext. 3120

or 475-4897. 69 YAMAHA - 305 cc, excel shape (chopped), \$600.

Pat, 924-8766. 71 BUICK SKYLARK - Custom, \$1400, mechanic spec-

ial. Ext. 2882 or 473-9121 after 6.

POINTS-CONDENSER-ROTOR - Mopar #MO15 for Chrysler Corp 6&8 cyl 1960-72, 2 sets, \$3 per set. Joe, Ext. 4640.

AIR FILTERS - 2 ea, Lee AFL-52 for Chrysler Corp 6 cyl 1960-72, \$2 ea. Joe, Ext. 4640.

65 AUSTIN HEALEY MKIII - 3000, radial tires, good body, new top & generator, choc brown, \$1500.363-6019 eves.

68 FORD - Country sedan-wagon, a/c, auto trans, new tires, brakes & master cyl, excel running cond, \$400, 724-2399.

SPARK PLUGS - Champion N-14Y for Chrysler Corp 6 cyl 1960-72, 2 sets of 6, \$3 per set. Joe, Ext. 4640. 1 CHEVY WHEEL - 14", \$4. Ext. 2041.

68 LE MANS - Hi mi, r/h, good rubber, not a gas guzzler or oil burner, good cond, \$400 or best offer. Ext. 2016 or 286-0716.

71 FIAT SPORT COUPE 124 - 4 pass, power disc brakes, Weber carb, Koni shocks, excel cond, dk areen, \$2000, A. François, 363-6550 eve or wkends.

69 T-BIRD - Vinyl top, air cond, good rubber, r/h, mint cond, 54,000 mi. \$1590. JU4-6738 after 5:30. 73 PONTIAC LEMANS WAGON - Immac, 11,000 mi, auto trans, ps/pb, Reese hitch. \$3100. John, Ext. 4742,

4 SPD TRANS & BELL HOUSING - Full synchro. \$100.

73 DATSUN 610 - 4 dr, auto trans, air cond, am/fm, 11,000 mi. \$3100. Ext. 3525.

69 DATSUN 2000 ROADSTER - 5 spd trans, mech good, needs body work. Asking \$950. Ext. 3525.

74 VEGA - GT Hatchback, used very little, air cond, must sell, moving. 588-4703 after 5.

69 BSA - 500cc, very good cond, new brakes. \$750. Vince, 281-6776.

67 PONTIAC - Eng 400 cu in, auto trans, rear, air cond. Take all, \$275 or best offer. Ext. 3084.

64 FORD STEP VAN - Insulated, paneling, w/w carpeting, cabinets, the works! Brand new int. Sacrifice, \$800. 281-5709.

64 VW CONV - New top, rebuilt eng. \$300. Rich, 265-0391 after 5:30.

Boats & Marine Supplies

18' ALUM BOAT - Gator tilt bed trailer, 50 hp Johnson, elec start, battery, navy top, anchor, \$550. Chet, Ext. 4278, 928-3014.

SAILBOAT - 17' Town class, w/trailer, dacron sails, good cond, \$300. M. Sautter, 924-3338.

LUHR'S SKIFF 1956 - 21' LOA, Ig cockpit, cabin w/2 bunks, 125 hp Norberg eng, best offer. WA9-4173

Miscellaneous

DRAPERIES - Antique satin, 200"Wx109"L, antique white, good cond, \$7. 928-1942.

CLARINET - By Buffet, ebonite, perfect tone, just reconditioned, \$75. Ruppert, Ext. 3255.

KENMORE PORTABLE WASHER - 2 sp, 3 cycle, excel cond. We've moved and I have 2 washers. \$120. 289-

3 PC FRENCH PROV SECTIONAL - Gold & white, ornate alass top lamp table, coffee table, like new. \$450, 981-5993 after 6.

2 MATTRESSES - Sterns & Foster innerspring. 1 firm, 1 reg, clean, \$15 ea. 727-4884 after 5:30.

OUTDOOR PATIO SET - Redwood, round table w/4 benches, umbrella & stand, top cond, \$100. Joseph Bonavero, PY8-8589.

POOL TABLE - 5'x8', ½ doz cue sticks, balls, chalk, brushes, top cond, reg \$300, selling \$75. Joseph Bonavero, PY8-8589.

BLOND CHINA CABINET - \$15, blonde fireplace w/ andirons, matching mirror & artificial fire, \$45, TV swivel table, \$5. Ext. 4278.

FRIGIDAIRE - 13 cu ft, 2-door up/down w/100 lb freezer, excel cond, not an elec eater. Ext. 2010 or 286-0716 eves.

RALEIGH 3 SP BOYS BIKE - Sealed beam headlight, good cond, \$60.751-1588.

APT SIZE ELEC STOVE - 4 burner. \$45. Barbara, Ext.

GROLIER'S WORLD'S GREAT CLASSICS - 50 matched

vols in custom bookcase. Orig \$500, now \$350 or best offer, Barbara, Ext. 2902, 588-5537. BIKE - Men's 10 sp 27", center pull brakes, padded

saddle, won in contest, never used, \$80. Jason, 744-5998 after 6:30. 3 BICYCLES - One 20" w/training wheels \$5, one 26"

girls bike, \$10, one 3 sp 26" girls bike \$15, all working. A. Francois, 363-6550 or Ext. 2898. STINGRAY BIKE - Good make & cond, Rollfast, \$15.

Call lunchtime, Ext. 3280 or 727-3608 after 5.

BAR - Knotty pine w/formica top, 6'Lx4'H, \$40. Conard, 941-4127.

OLD GE REFRIG - About 6 cu ft, runs beautifully. Yours for the taking. 744-9832 after 5:30.

MODERN OAK DESK & CHAIR - \$25, buffet, black w/ white formica top, \$35. E. Bihn, LT9-2184.

CHILD'S CHEST - White drawers, walnut sides, \$25, walnut headboard, twin size, \$10. E. Bihn, LT9-2184.

ALUM STORM DOOR - 36", \$20, front door 36", \$10, Anderson sliding window, new \$40. E. Bihn, LT9-2184. BOWLING SHOES - Men's, "Hyde," black, size 9½,

6 DANISH CHAIRS - Vinyl seats, \$20 ea; 88" sofa, seats 4, needs recovering, \$50. 928-0466 after 3.

new. Gina, Ext. 3838.

DRAPES - 13½'Wx104"L, antique satin, olive green, \$40; traverse rod 13½', \$10. 281-8557.

SECTIONAL - 3 pc gold couch, very good cond, \$250; cor lamp table, \$5; clock radio, \$8. 281-8557. DRESSER - 18"x58", mica top, 9 drawers, excel, \$40.

281-8557 ORIENTAL LAMP - Figurine base & shade, 48", like

new, \$40; oriental wall decoration, bamboo, figurine & flowers, dia 29", \$15. 281-8557.

REGULATION FOOTBALL SHOES - Size 10½, \$10. Ext. 3922.

ORLON YARN - All colors, will deliver to Lab or pick up at my home. \$2.50/lb. Ann, Ext. 3142, 732-9384. STEREO TUNER - Fisher KM-60 tube type, like new, \$75. Joe, Ext. 3273.

BACKGAMMON TABLE - \$10; bar bells, \$7.50; shag rug, 9'x12', \$35. Steve, Ext. 3822, 929-6527.

REFRIG - \$50, doubel bed, \$10, sofa \$15, desk \$10. Steve, Ext. 3822, 929-6527.

HUNTERS - Free adorable pure bred Beagle pups. Just 2 women libbers left. 878-1690.

MAN'S BLK LEATHER JACKET - Full length, size 38, w/zipout lining, excel cond. \$20. Claire, Ext. 2346. ELEC PORTABLE TYPEWRITER - Smith-Corona Chronomatic 2200, cartridge snap-in ribbons, 12" carriage, pica, new, 4 yr guarantee. \$185. Ext. 4240, 286-0295.

KITTENS - 7 wks old, calico-pred blk. 732-3135. GE MANGLE IRONER - Excel working cond, w/pads.

\$15. 286-8957 after 5. ENGLISH SADDLE - Ideal Christmas gift, brand new,

compl. Asking \$125. Bob, Ext. 4672. CHILD'S CAR SEAT - Ford Tot-Guard, age 1-5, orig \$28, will sell \$10, 286-2280.

MODERN WALNUT CHEST OF DRAWERS - Matching night stand. \$75 or best offer. J. Cain, Ext. 3370, 727-

LG WAGON - W/racks for child, good cond, \$12; antique radio, old 78 phono records, TV console, beautiful cabinet, \$5. O. Booker, Ext. 4719.

COCKTAIL TABLE - W/2 matching end tables, Mediterranean. \$155. 286-8517 after 5:30. FREE - CALCMP for 3.4 and 2.0, ID frame from job

card. ATTACH(CALCMP, ID = CPROGS). LOAD(CAL-CMP). H. Bernstein, Ext. 4379. 8' KITCHEN CABINETS - Incl sink w/fixtures & 36"

gas stove, reasonable. 667-0517. SIBERIAN HUSKY FEMALE - AKC reg, champion

blood lines, 21 mos, beautiful, friendly, housebrooken. \$100 to good home. Saxon, Ext. 3435. CLAM CULL BOXES (2) - \$10. John, Ext. 3354.

LAFAYETTE WALKIE TALKIE - 5 watt Dyna-com, 3

channel. \$50. John, Ext. 3354. COLEMAN 3-BURNER STOVE - \$10. John, Ext. 3354.

FLY ROD - Pfluger Medalist reel, #6 line, compl fly box, brand new, best offer. Ext. 2482. HEADBOARD - For single bed, w/built in light,

shelves, drawers, excel cond. \$20. Ext. 4247, 928-

2 GUITARS - 6 string accoustical, 1 w/strings, \$12; 1 w/o strings \$7; Garrard turntable, works great,

best offer. 281-5709. QUEEN SIZE BED - Matt, box spring, frame, good cond, best offer; Ig beautiful beveled mirrors, best

offer, 281-5709.

on site.

EPIPHONE GUITAR AMP - Excel cond, tremelo, 2 inputs, sacrifice \$18; photo copy machine 3M, like

new, perf cond, perfect copies, \$15. 281-5709. SPEAKEDS Allaines all in was

brand new. Sacrifice \$4 & up. 281-5709.

PA SYSTEM - Like new, 2 columns, 2-15" spkrs in ea, 2 channel head, reverb, tremelo, lots of dials. Sacrifice \$295. 281-5709.

GENUINE FUR COATS - Different sizes, different furs \$12 & up; ladies gold Elgin datch w/diamonds, new, works perfectly, sacrifice \$25. 281-5709.

ALUM STORM DOOR - 801/2x361/2 std w/return, \$20; child's fold up chalk board, \$5. Ext. 3121, 744-5261.

CHROME & BLK DIRECTORS CHAIRS - Set of 4, extra seats & backs. \$30. Barbara, Ext. 2902, 588-5537.

DINING/DINETTE SET - Table, 4 chairs, breakfront & server, blond mahog, reasonable. R. Brehm, 744-8567 after 6.

SAW BUCKS - Custom built, dbl or triple leg, cut your own firewood w/ease. \$9 & \$11 per unit. Walt K., Ext. 4514, 12-1 pm only.

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

E. SETAUKET - 2 story colonial custom, 3 bedrms, den, 2 baths, full bsmt, Ig attic storage space over attached garage, fireplace, built-in vac, walking distnace to shops. \$40,000. 941-4562.

YAPHANK - Oversize custom rance, 3 bedrms, 2 full baths, paneled fam rm, eat-in kitchen, formal din rm, lg liv rm, 2-car garage, full bsmt, many extras, low taxes, 924-3298.

NORTHAMPTON - 3 bedrm hi-ranch, full fin bsmt, gas heat, very low taxes, fenced yard, priv fresh water lake. \$25,000. Lee, Ext. 2939, 727-8052 after 5:30.

SACHEM - 4 bedrm colonial, all appliances, extra insulation, great area for kids, taxes under \$1000. \$38,500. Barbara, Ext. 2902, 588-5537.

VERMONT VACATION - 3 bdrm mobile home w/fireplace, 10 acres, 10 min Okemo Mt, close to 7 other major ski areas. 473-8186.

CONDOMINIUM - 2 bedrm, w/w, central air, all appliances, 5 min from Lab. Ext. 3541, 924-4070.

3 RM FURN APT - Overlooking LI Sound in Rocky Pt. \$210/mo. K. Fuchel, Ext. 4116/4106.

TRAVEL TRAILER OWNERS - Vermont vacation season spot, avail util on 10 acres, 10 min to Okemo Mt & 7 other ski areas. 473-8186.

CHILD'S CAR SEAT - Must be Consumer Reports safety approved. Jean, Ext. 2902, 727-5168 after 6. HOME FOR DOG - Airdale, pedigree, all shots &

GAS TANK - For 1956 Corvette, or how to repair. S. Kiss, Ext. 3531.

SINGLES - Interested in forming a club, all ages. Grace, Ext. 4464; Lee, Ext. 2939.

OLD FIREARMS - 878-2399.

fixed. HR3-5862 after 6.

Carpools

INTERESTED IN FORMING - Or joining existing carpool in Nesconset area. L. Honikel, Ext. 3617.

Services

FIREPLACE WOOD - Delivered. Terry, 744-9322.

HOMEOWNERS - Expert land clearing, grading, tree removals, clean-ups, all related services. Sautter, 924-3338, 732-5549.

BULLDOZER SERVICE - Land clearing, grading, cellars dug, backfilling, topsoil & demolition work, free estimates. 698-5144, 473-1336. INT/EXT PAINTING - Free estimates. AI, 727-8515.

FISHERMEN - Do you want your catch deliciously smoked? 744-9411 after 5:30. PICKUP TRUCK/DRIVER - W/muscles for hire eves,

weekends, any size job, any distance, by mile or by hour. 589-3269 after 5. PLUMBING ALTERATIONS - Repairs & new work. Walter, 732-1913.

CHRISTMAS WREATHS - Will take orders now for Dec delivery. Izzy, Ext. 3620 from 4:55 to 5:15.

HOUSE/APT SITTING - Exp w/both H/A sitting and no fee, refer. Bob, Ext. 3725 after 4.

Classified Ad Policy

Deadline is 12 noon Monday for publication Friday of the same week.

1. The Brookhaven Bulletin's classified section may be used

only by active and retired Laboratory employees.

2. All items for sale or rent must be the advertiser's

3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted. 4. Firearms offered for sale or trade may not be brought

5. Ads not carried because of space restrictions will be held for publication in the next issue

6. Ads are run only once and must be resubmitted if they are to be repeated.

7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees

Life No. ...

		-
For Sale: Auto & Auto Supplies For Sale: Boats & Marine Supplies		_
For Sale: Miscellaneous	- 1 1	

Carpools Services

Check x the heading applying to your ad. Print or type your ad in 20 words or less.

. Ext.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 111, 40 Brookhaven Avenue

(Name & Phone No. To Call)

Employee's Signature.

Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).